

IN THE CLAIMS:

Please amend claims 1, 2, 11, 12, 20, 21, and 30-39, as set forth below.

C₁

1 1. (Currently Amended) A method comprising:
2 initializing a circuit said circuit having at least one memory element coupled to a
3 memory bus on a host system;
4 monitoring signals on the memory bus;
5 detecting a first sequence of signals, the first sequence of signals including a
6 reserved memory address, the reserved memory address comprising a particular memory
7 address reserved for switching control of the at least one memory element; and
8 switching control of the at least one memory element to the circuit in response to
9 detection of the reserved memory address.

1 2. (Currently Amended) The method of claim 1 further comprising:
2 detecting a second sequence of signals, the second sequence of signals including
3 another reserved memory address, the another reserved memory address comprising a
4 second particular memory address reserved for switching control of the at least one
5 memory element; and
6 switching control of the at least one memory element to the host system in
7 response to detection of the another reserved memory address.

1 3. (Original) The method of claim 2 wherein error correcting codes are switched off
2 prior to switching control of the at least one memory element to the host system.

1 4. (Original) The method of claim 1 wherein initializing a circuit having at least one
2 memory element coupled to a memory bus on a host system comprises detecting a
3 sequence of writes to memory locations on the circuit.

61 1 5. (Original) The method of claim 4 wherein the sequence of writes are writes to
2 random memory locations on the circuit.

1 6. (Original) The method of claim 1 wherein monitoring signals on the memory bus
2 comprises the circuit monitoring control, address, and data signals on the host system.

1 7. (Previously Presented) The method of claim 1 wherein detecting a first sequence
2 of signals comprises detecting at least one write signal to the reserved memory address.

1 8. (Previously Presented) The method of claim 1 wherein detecting a first sequence
2 of signals comprises detecting at least one read signal from the reserved memory address.

1 9. (Previously Presented) The method of claim 1 wherein switching control of the
2 memory bus to the circuit comprises a processing element in the circuit reading from or
3 writing to the at least one memory element in the circuit.

1 10. (Original) The method of claim 2 wherein switching control of the at least one
2 memory element to the host system comprises a processor on the host system reading
3 from or writing to the at least one memory element.

C1

1 11. (Currently Amended) An apparatus comprising:
2 a memory bus on a host system;
3 a plurality of memory elements on a circuit, said plurality of memory elements
4 communicatively coupled with the memory bus;
5 a processing element on the circuit communicatively coupled with the plurality of
6 memory elements and the memory bus, said processing element to
7 monitor signals on the memory bus;
8 detect a first sequence of signals, the first sequence of signals including a reserved
9 memory address, the reserved memory address comprising a particular memory address
10 reserved for switching control of the plurality of memory elements; and
11 switch control of the plurality of memory elements to the circuit in response to
12 detection of the reserved memory address.

1 12. (Currently Amended) The apparatus of claim 11 further comprising said
2 processing element to detect a second sequence of signals, the second sequence of signals
3 including another reserved memory address, the another reserved memory address
4 comprising a second particular memory address reserved for switching control of the
5 plurality of memory elements; and
6 switch control of the plurality of memory elements to the host system in response to
7 detection of the another reserved memory address.

C1
1 13. (Original) The apparatus of claim 12 wherein error correcting codes are switched
2 off prior to switching control of the plurality of memory element to the host system.

1 14. (Original) The apparatus of claim 11 wherein the processing element is at least
2 one of a field programmable gate array, and a processor.

1 15. (Original) The apparatus of claim 11 wherein the processing element to monitor
2 signals on the memory bus comprises the processing element to monitor control, address,
3 and data signals on the host system.

1 16. (Previously Presented) The apparatus of claim 11 wherein the processing element
2 to detect a first sequence of signals comprises the processing element to detect at least
3 one write signal to the reserved memory address.

1 17. (Previously Presented) The apparatus of claim 11 wherein the processing element
2 to detect a first sequence of signals comprises the processing element to detect at least
3 one read signal to the reserved memory address.

C1
1 18. (Original) The apparatus of claim 11 wherein the processing element to switch
2 control of the plurality of memory element to the circuit comprises the processing
3 element reading from or writing to the plurality of memory elements.

1 19. (Original) The apparatus of claim 12 wherein the processing element to switch
2 control of the plurality of memory elements to the circuit comprises a processor on the
3 host system reading from or writing to the plurality of memory elements.

1 20. (Currently Amended) An article of manufacture comprising:
2 a machine-accessible medium including instructions that, when executed by a
3 machine, causes the machine to perform operations comprising
4 initializing a circuit said circuit having at least one memory element coupled to a
5 memory bus on a host system;
6 monitoring signals on the memory bus;
7 detecting a first sequence of signals, the first sequence of signals including a
8 reserved memory address, the reserved memory address comprising a particular memory
9 address reserved for switching control of the at least one memory element; and
10 switching control of the at least one memory element to the circuit in response to
11 detection of the reserved memory address.

1 21. (Currently Amended) The article of manufacture as in claim 20, further
2 comprising instructions for detecting a second sequence of signals, the second sequence
3 of signals including another reserved memory address, the another reserved memory
4 address comprising a second particular memory address reserved for switching control of
5 the at least one memory element; and
6 switching control of the at least one memory element to the host system in response to
7 detection of the another reserved memory address.

1 22. (Original) The article of manufacture as in claim 21, further comprising
2 instructions for switching of error correcting codes prior to switching control of the at
3 least one memory element to the host system.

1 23. (Original) The article of manufacture as in claim 20, wherein said instructions for
2 initializing a circuit having at least one memory element coupled to a memory bus on a
3 host system comprises further instructions for detecting a sequence of writes to memory
4 locations on the circuit.

C₁
1 24. (Original) The article of manufacture as in claim 23, wherein said instructions for
2 detecting a sequence of writes include further instructions for writing to random memory
3 locations on a circuit.

1 25. (Original) The article of manufacture as in claim 20, wherein said instructions for
2 monitoring signals on the memory bus comprises further instructions for the circuit
3 monitoring control, address, and data signals on the host system.

1 26. (Previously Presented) The article of manufacture as in claim 20, wherein said
2 instructions for detecting a first sequence of signals comprises further instructions for
3 detecting at least one write signal to the reserved memory address.

1 27. (Previously Presented) The article of manufacture as in claim 20, wherein said
2 instructions for detecting a first sequence of signals comprises further instructions for
3 detecting at least one read signal from the reserved memory address.

1 28. (Previously Presented) The article of manufacture as in claim 20, wherein said
2 instructions for switching control of the memory bus to the circuit comprises further
3 instructions for a processing element in the circuit reading from or writing to the at least
C 4 one memory element in the circuit.

1 29. (Original) The article of manufacture as in claim 21, wherein said instructions for
2 switching control of the at least one memory element to the host system comprises further
3 instructions for a processor on the host system reading from or writing to the at least one
4 memory element

1 30. (Currently Amended) The method of claim 1, wherein the ~~reserved~~ particular
2 memory address ~~corresponds to a reserved~~ comprises an address in the at least one
3 memory element in the circuit.

1 31. (Currently Amended) The method of claim 1, wherein the ~~reserved~~ particular
2 memory address ~~corresponds to a reserved~~ comprises an address in a second memory
3 coupled with the memory bus.

1 32. (Currently Amended) The apparatus of claim 11, wherein the ~~reserved~~ particular
2 memory address ~~corresponds to a reserved~~ comprises an address in the plurality of
3 memory elements of the circuit.

1 33. (Currently Amended) The apparatus of claim 11, wherein the ~~reserved~~ particular
2 memory address ~~corresponds to a reserved~~ comprises an address in a second memory
3 coupled with the memory bus.

C1
1 34. (Currently Amended) The article of manufacture of claim 20, wherein the
2 ~~reserved~~ particular memory address ~~corresponds to a reserved~~ comprises an address in the
3 at least one memory element in the circuit.

1 35. (Currently Amended) The article of manufacture of claim 20, wherein the
2 ~~reserved~~ particular memory address ~~corresponds to a reserved~~ comprises an address in a
3 second memory coupled with the memory bus.

1 36. (Currently Amended) A method comprising:
2 monitoring signals on a memory bus, the memory bus coupled with a memory and
3 a first processor; and
4 in response to detecting a reserved memory address on the memory bus, switching
5 control of the memory from the first processor to a second processor coupled with the
6 memory bus, wherein the reserved memory address comprises a particular memory
7 address reserved for switching control of the memory.

C1
1 37. (Currently Amended) The method of claim 36, further comprising:
2 in response to detecting another reserved memory address on the memory bus,
3 switching control of the memory from the second processor to the first processor,
4 wherein the another reserved memory address comprises a second particular memory
5 address reserved for switching control of the memory.

1 38. (Currently Amended) The method of claim 36, wherein the ~~reserved~~ particular
2 memory address ~~corresponds to a reserved~~ comprises an address in the memory.

1 39. (Currently Amended) The method of claim 36, wherein the ~~reserved~~ particular
2 memory address ~~corresponds to a reserved~~ comprises an address in a second memory
3 coupled with the memory bus.

1 40. (Previously Presented) The method of claim 36, wherein detecting the reserved
2 memory address comprises detecting one of a read to the reserved memory address and a
3 write to the reserved memory address.

C1
1 41. (Previously Presented) The method of claim 36, wherein the memory and the
2 second processor comprise part of a single component.

1 42. (Previously Presented) The method of claim 41, wherein the single component
2 comprises a dual inline memory module (DIMM) coupled with the memory bus.

1 43. (Previously Presented) The method of claim 36, wherein the memory comprises a
2 synchronous dynamic random access memory (SDRAM).
